

Balance Shoe for Tilt-In Window Sashes

ABSTRACT

The invention relates to tilt-in window assemblies, in which a sash may be tilted into a room or removed from a window jamb. When the sash is tilted or removed, a balance shoe that is connected to a window balance engages the window jamb and prevents the sash and the window balance from releasing and travelling vertically in the window jamb. The balance shoe is biased into a locked position when a pivot bar coupled to the sash is disengaged from a camming surface of the balance shoe, as occurs when the sash is tilted or removed from the window jamb. Upon return of the sash to its normal vertical position in the window jamb, the pivot bar engages the camming surface and the balance shoe disengages the window jamb.

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